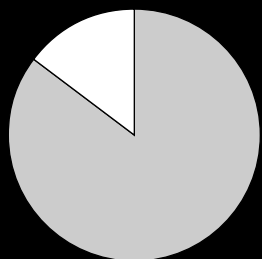
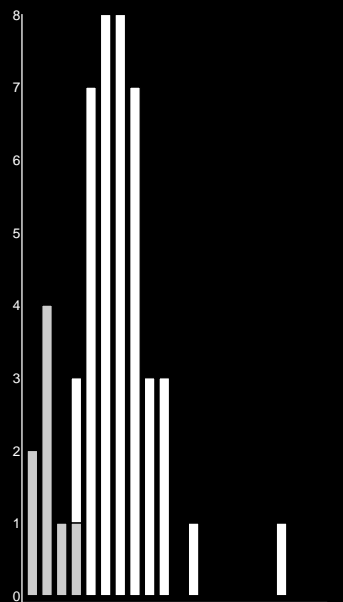


Wyoming



Production tonnage 1978-1997

■ U.S. Total
■ Wyoming Coal Production



Number of new permits 1978-1997

■ Interim Program
■ Permanent Program

The largest U.S. coal producing state

In 1987, Wyoming became the largest coal-producing state in the country. The state is known for its extensive coal resources and extremely thick coal seams. Wyoming's coal reserves total about 69.3 billion tons, 14.2 percent of the U.S. coal reserve. Coal seams range generally from 10 to 80 feet in thickness, although one seam is 220 feet thick.

The coal-bearing areas of Wyoming underlie approximately 41 percent of the state's total land area. Wyoming's coal ranges from lignite to high-volatile bituminous. Most of the coal produced is subbituminous from the Powder River coal region near Gillette.

Coal in Wyoming was discovered before 1834 on the Bell Fourche River. The state's first mine opened in Carbon County in 1865, and with the completion of the trans-continental railroad, the demand for coal increased. Currently approximately 80 percent of Wyoming's coal production is shipped out of state to meet the growing demand for low-sulfur coal to fuel electric generating plants.

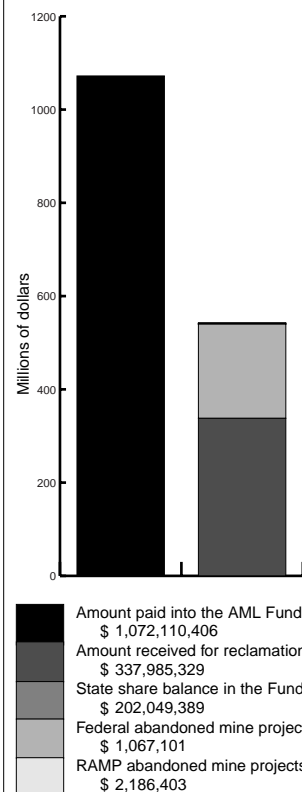
Wyoming received conditional regulatory approval November 26, 1980. Its Abandoned Mine Land Program was approved February 14, 1983.

Abandoned Mine Land emergency reclamation in Wyoming is completed by the Office of Surface Mining. Since 1977, the Office of Surface Mining has completed 37 emergency projects at a cost of over \$450,000 to reclaim 27 subsidence hazards, three portals, and one shaft closure.

The Governor of Wyoming has certified that all coal mining-related Abandoned Mine Land problems have been completed, thus accepting responsibility for reclamation of any newly identified problems and becoming eligible to use Abandoned Mine Land grant funds for lower priority projects. Prior to certification, the Wyoming Abandoned Mine Land program completed many high-priority projects including one \$30 million project that filled abandoned mine voids beneath Rock Springs.

coal production¹⁰

	1978		1997		1978-1997 Rank
	Amount	Percent U.S. Total	Amount	Percent U.S. Total	
Tons Produced					
Surface	40,057,387	16.4%	279,136,734	48.1%	1
Underground	518,395	0.3%	2,400,488	0.5%	12
Lignite	0	0%	0	0%	0
Total	40,575,783	9.7%	281,537,222	25.9%	1
Number of Producing Mines					
Surface (bituminous coal)	24	0.7%	34	1.4%	12
Underground	2	0.07%	3	0.1%	13
Lignite (surface)	0	0%	0	0%	0
Total	26	0.4	37	0.8%	13
Mine Production					
Average	1,560,607	2,196.2%	7,609,114	2,891.4%	
>1,000,000 tons	11	22.4%	28	13.5%	
300,000-1,000,000 tons	6	2.9%	3	0.8%	
<300,000 tons	9	0.1%	6	0.1%	



Active mining and reclamation¹⁶

	1978	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	Total
Number of New Permits	0	4	1	3	7	6	8	6	3	2	0	1	0	0	0	0	0	1	0	0	42
Surface Mining	2	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	6
Underground Mining	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																					
Acreage Permitted																					
Surface Mining	13,393	15,659	7,154	12,372	57,016	81,440	64,833	59,399	12,512	11,979	16,724	9,950	870	0	0	0	0	960	0	3,528	367,789
Underground Mining	5,442	0	0	0	0	2,149	0	3,579	0	0	15	0	0	0	0	0	0	0	0	0	11,185
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acreage of Bond Release																					
Interim Prog. (final)	0	0	1,280	0	0	0	0	0	0	0	0	0	0	969	0	0	0	0	0	0	3,218
Phase 1	0	0	0	0	0	0	0	1,654	2,053	1,454	324	0	0	1,021	0	1,659	0	0	0	0	8,165
Phase 2	0	0	0	0	0	0	0	2,694	20	330	170	0	0	0	656	0	432	0	0	0	4,302
Phase 3	0	0	0	0	0	0	0	0	0	194	1,144	23	2,864	0	166	0	30	0	0	0	4,421
Inspections																					
Complete	NA	NA	NA	NA	215	148	143	164	179	183	191	180	161	199	187	195	159	160	117	145	2,726
Partial	NA	NA	NA	NA	431	592	278	348	340	336	380	335	473	377	369	311	428	307	228	276	5,809
Oversight	0	0	NA	NA	NA	27	77	43	NA	44	44	9	31	23	25	25	18	41	7	14	428
Citations Issued																					
NOV's	NA	NA	NA	NA	15	18	22	30	13	14	17	6	22	18	17	19	23	29	10	24	297
CO's	NA	NA	NA	NA	0	0	0	0	0	0	0	1	1	4	1	0	3	2	0	3	15

Abandoned coal mine reclamation 1977-1997¹⁷

	Reclaimed Problems			Remaining Problems	
	OSM Emergency	State Emergency	Non-Emergency	Number	Estimated Cost
Priority 1 & 2 (Protection of Public Health, Safety, and General Welfare) and Emergency Projects					
Clogged Streams (miles)	0	0	95.5	0	\$ 0
Clogged Stream Lands (acres)	0	0	2,710.0	0	0
Highwalls (feet)	0	0	286,061.0	0	0
Impoundments (count)	0	0	6.0	0	0
Piles & Embankments (acres)	0	0	535.7	0	0
Slides (acres)	0	0	131.0	0	0
Gases (count)	0	0	0	0	0
Equipment & Facilities (count)	0	0	58.0	6.0	3,000
Water Bodies (count)	0	0	277.0	0	0
Industrial Waste (acres)	0	0	4.0	0	0
Portals (count)	3.0	0	339.0	14.0	76,440
Polluted Water: Agriculture & Industrial (count)	0	0	2.0	0	0
Polluted Water: Human Consumption (count)	0	0	0	0	0
Subsidence (acres)	14.6	0	506.2	13.0	150,760
Surface Burning (acres)	3.4	0	10.0	0	0
Underground Mine Fires (acres)	0.9	0	104.1	10.0	73,000
Vertical Openings (count)	0	0	620.0	1.0	5,000
Total					\$ 308,200
Priority 3 (Environmental Restoration)					
Bench (acres)	0	0	5,240.0	0	\$ 0
Industrial Waste (acres)	0	0	29.0	20.0	40,000
Equipment & Facilities (count)	0	0	21.0	0	0
Gob (acres)	0	0	66.4	0	0
Highwall (feet)	0	0	200,100.0	0	0
Haul Road (acres)	0	0	111.0	0	0
Mine Opening (count)	0	0	9.0	0	0
Pit (acres)	0	0	10,725.2	0	0
Spoil Area (acres)	0	0	4,662.8	20.0	141,000
Slurry (acres)	0	0	0	0	0
Slump (acres)	0	0	0	0	0
Water (gallons/minute)	0	0	400,002.0	0	0
Total					\$ 181,000